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EXHIBIT B

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ERICK H. KNOX, Ph.D., P.E. VICE PRESIDENT, PRINCIPAL DIRECTOR OF BIOMECHANICAL AND SAFETY ENGINEERING ehknox@esi-il.com

Dr. Knox is Director of Biomechanical and Safety Engineering at Engineering Systems Inc. (ESI). Dr. Knox is a biomechanical engineer with over twenty years of experience in the field of biomechanics. He specializes in biomechanical analysis, determination of injury causation and mechanisms, ergonomics and human factors analysis, accident investigation and reconstruction, mechanical testing and failure analysis, human motion analysis including occupant kinematics, and biomedical devices.

Areas of Specialization

Impact Biomechanics
Orthopedic/Clinical Biomechanics
Human factors and ergonomics
Accident analysis and reconstruction
Injury causation and injury mechanisms
Human motion analysis and occupant kinematics
Mechanical testing and failure analysis
Biomedical instrumentation

Education

Ph.D., Biomedical Engineering Northwestern University

M.S., Biomedical Engineering Northwestern University

B.S., Engineering, Biomedical Engineering Dept.

Marquette University

Licensed Professional Engineer (P.E.)

IL (062-059483)

November 2011

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Education (Continued)

Traffic Accident Reconstruction I and Traffic Accident Reconstruction II Northwestern University Traffic Institute, Chicago, IL

Strain Gage Technology course Vishay Measurements Group, Inc.

Injuries, Anatomy, Biomechanics and Federal Regulation Society of Automotive Engineers

Current issues in Using Crash Injury Data Society of Automotive Engineers, Troy, MI

Accidental Injury: Biomechanics & Prevention University of California, San Diego School of Medicine

Clinical and Biomechanical Aspects of Lower Extremity Injury Wayne State University, Detroit, MI

Ergonomics: Job Analysis and Field Studies University of Michigan, Ann Arbor, MI

Forensic Analysis of Medical Records in Injury Biomechanics and Accident Reconstruction Society of Automotive Engineers, Troy, MI

Occupant and Vehicle Kinematics in Rollovers Society of Automotive Engineers, Fort Myers, Florida

Professional Affiliations/Honors

American National Standards Institute (ANSI)

<u>Chairman</u> – ASC A14 committee

<u>Chairman</u> – ASC A14.2 subcommittee on safety requirements for portable metal ladders

<u>Member</u> – ASC A14.5 subcommittee on safety requirements for portable reinforced plastic ladders

Member – ASC A14.7 subcommittee on safety requirements for rolling ladders

American Society of Biomechanics

Member

American Society for Testing and Materials

Member



Professional Affiliations/Honors (continued)

American Society of Mechanical Engineers Member

Institute for Electrical and Electronics Engineers

Member

Engineering in Medicine and Biology Society

Member

Society of Automotive Engineers

Member

Illinois (Local and State Chapter) & National Society of Professional Engineers

Member

Alpha Eta Mu Beta (Biomedical Engineering Honor Society)

Member

Tau Beta Pi (Engineering Honor Society)

Member

National Institute on Disability and Rehabilitation Research

Training Grant Fellow

Marquette University

Biomedical Engineering Scholastic Honors

Positions Held

Engineering Systems Inc., Aurora, Illinois

Principal, 2010 – present

Vice President, 2009 - present

Director of Biomechanical and Safety Engineering, 2007 - present

Assistant Director of Illinois Operations, 2006 - 2007

Manager of Mechanical and Biomechanical Engineering, 2004 - 2006

Manager of Biomechanical Engineering, 2003 – 2004

Senior Staff Consultant, 1998 – 2003

Staff Engineer, 1996 – 1998

Engineering Research Associate, 1988 – 1991

Rehabilitation Engineering Research Center and Prosthetics Research Laboratory of

Northwestern University Medical School

Research Engineer, 1988 – 1996



"Step Ladder Failure Analysis, a Comparison of Analytical Methods"

Kenner, M.T., Stevenson, M.E., Knox, E.H., Van Bree, M.P., Wilkinson, J.A. (2011)

<u>Proceedings of the ASME 2011 International Mechanical Engineering Congress & Exposition</u>

Denver, CO. November 11-17, 2011

"Tool and Techniques for Analyzing Structural Damage Patterns in Ladders"

Stevenson, M.E., Knox, E.H., Van Bree M.P., Kenner, M.T., Wilkinson, J.A. (2010)

Materials Science and Technology, ASM International Annual Meeting, Houston, Texas – October 17, 2010

"Field Studies and Labeling Research on the Angle of Inclination of Non-Self Supporting Ladders"

Knox, E.H., Van Bree M.P. (2010) 2010 International Conference on Fall Prevention and Protection Morgantown, WV. May 18-20, 2010

"Ladder Safety Training"

Van Bree M.P., Knox E.H. (2010). <u>OSHA Safety Day.</u> Waubonsee Community College, Sugar Grove, Illinois. March 17, 2010

"Stepladder Failure: Analysis of Root Cause."

Knox E.H., Van Bree M.P., Kenner M.T., Wilkinson J.A. (2009). Proceedings of the ASME 2009 International Mechanical Engineering Conference and Exposition. November 13-19, Lake Buena Vista, Florida.

"Stepladder Spreader Bar Structural Integrity and The Impact on Accidents".

Van Bree M.P., Knox E.H., Smith K.M., Eganhouse J.T. (2009). Proceedings of the ASME 2009 International Mechanical Engineering Conference and Exposition. November 13-19, Lake Buena Vista, Florida.

"Measurement of Thermal Residual Stress Using the Strain Gauge Method"

C. R. Morin, E. H. Knox, M. T. Kenner, G. J. Novak, J. T. Eganhouse, presented at the <u>Session on "Tools and Techniques," Failure Analysis Symposium, Materials Science & Technology (MS&T) 2007 Conference and Exhibition, ASM International</u>, Detroit, Michigan, September 17, 2007

- "Roll-Over Shapes of Human Locomotor Systems: Effects of Walking Speed." Clinical Biomechanics 19(4): 407-414., Hansen, A.H., Childress, D.S. and Knox, E.H. (2004).
- "ATV Australian Analysis (Coronial Inquest) Investigative Report." Engineering Systems Inc. (2003).



- "Mechanical Properties of Prosthetic and Human Feet: From Shoes to Computer Alignment."

 2nd International Conference of Advanced Prosthetics, presented by Childress in Newport Beach, California, April 18-19. Hansen, A., Knox, E., Childress, D., Sandifer, A. (2002)
- "Prosthetic Foot Roll-over Shapes with Implications for Alignment of Trans-tibial Prostheses" Hansen, A.H., Childress, D.S., and Knox, E.H., <u>Prosthetics and Orthotics International</u>, Vol. 24, No. 3, December, 2000, 205-215
- "Rollover shapes of prosthetic feet"
 Hansen, A.H., Childress, D.S., Knox, E.H., 4th Annual Gait and Clinical Movement
 Analysis Meeting, Dallas, Texas, 1999
- "Foot Shape and Rehabilitation. Gait Analysis Symposium"

 Honoring H. Kerr Graham at Children's Memorial Hospital, Chicago, Illinois, September 14. (Hansen Invited Speaker), Hansen, A.H., Childress, D.S., Knox, E.H. (1998).
- "Mechanical Properties of Artificial Feet: Some Practical Interpretations."

 <u>Proceedings of the 9th World Congress of the International Society for Prosthetics and Orthotics</u> (ISPO), Amsterdam, presented by Childress in The Netherlands, June 28-July 5., Childress, D. Hansen, A., Knox, E., and Miller, L. (1998).
- "How Two-Dimensional Representations of Three-Dimensional Human Movement Can Be Misleading"

Gard, S.A. Childress, D.S., Knox, E.H., Gait & Posture, 5 (2), 1997

- "How Shoes Alter Prosthetic Foot Mechanics"
 Knox, E. H., Childress, D. S. & Sandifer, A. T., <u>Biomechanics Desk Reference</u>, 1997
- "How Shoes Alter Prosthetic Foot Mechanics"

 Childress, D.S. & Knox, E.H., <u>Annual Meeting of the American Academy of</u>

 Orthotists and Prosthetists, San Francisco, 1997
- "Measurement and Analysis of the Biomechanical Properties of Prosthetic Feet and the Influence of Shoes"

Marquette University Biomedical Engineering Seminar Series, March, 1997

"Two-Dimensional Representation of Three-Dimensional Pelvic Motion During Human Walking: An Example of How Projections Can Be Misleading"

Gard, S.A., Knox, E.H. & Childress, D.S., <u>Journal of Biomechanics</u>, Vol. 29, No. 10, pp. 1387-1391, 1996

"Biomechanical Characteristics of Dynamic Response Feet and Their Consideration in Walking"

American Academy of Orthotists and Prosthetists Scientific Seminar, Invited Speaker, 1995



November 2011

Publications/Presentations (continued)

- "Do Shoes Influence the Forefoot Mechanics of Prosthetic Feet?"

 Childress, D. S., Knox, E. H. & Sandifer, A. T., 8th World Congress of the International Society of Prosthetics and Orthotics, Melbourne, Australia, 1995
- "The Influence of Shoes on the Forefoot Mechanics of Prosthetic Feet"

 Childress, D. S., Sandifer, A. T. & Knox, E. H., 9th Scientific Meeting of the Japanese Society of Prosthetics and Orthotics, Kobe, Japan, 1993
- "Slip Detection and Automatic Grasping for a Prosthetic Prehensor"

 Knox, E. H., Childress, D. S. & Heckathorne, C. W., 7th World Congress of the International Society of Prosthetics and Orthotics, Chicago, Illinois, 1992
- "A Preliminary Study of Dynamic Response Prosthetic Feet: Characterization of Biomechanical Properties"

American Academy of Orthotists and Prosthetists Scientific Seminar, Invited Speaker, 1992





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ERICK H. KNOX, Ph.D., P.E.

LIST OF EXPERT DEPOSITION AND TRIAL TESTIMONY

DEPOSITION

2008 Steuer vs. Black & Decker Corp., et al., Alabama

CV-07-900077

C.C. of Lee County, AL

Holdt, et al. vs. Feigl Farms, et al., Wisconsin

Case No. 06CV629

State of WI, C.C. Sauk County

Alvarez, et al. v. Flores & Hitachi American Ltd., et al,

Texas

Cause No. 03-04843-I

D.C. Dallas County, TX, 162nd J.D.

Johnson v. Louisville Ladder, Inc., et al., Alabama

Civil Action No. -1:07-cv-00764

U.S.D.C. for the Southern Dist. of AL, Southern Div.

Allan v. Grove, US LLC, et al., Texas

Civil Action No. G-07-159

U.S.D.C. for Southern Dist. Of TX, Galveston Div.

TRIAL

Steuer vs. Black & Decker Corp., et al., Alabama

CV-07-900077

C.C. of Lee County, AL

Stephens v. Louisville Ladder, et al., Florida

8:06-CV-2299-T-20MSS

C.C. in and for Sarasota County FL

Brannon v. Nikota USA, Inc., et al., Illinois

No.: 05 L 4604

C.C. Cook County, IL, County Dept., Law Div.

Anderson v. Ridge Tool Company, et al., Kentucky

0:06-CV-00116

U.S.D.C., Eastern Div. of KY, Ashland Div.

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DEPOSITION

2009 Walker v. Louisville Ladder, Inc., Tennessee

3:07-CV-377

U.S.D.C., Eastern Dist. of TN, Northern Div.

Wilson v. Ridge Tool Co. & Emerson Electric Co., Georgia

Civil Action No.: 08-SC-0136

State Court of Cherokee County, State of GA

Riggs v. The Dupps Company, South Carolina

Civil Action File No. 8:08-73-HMH U.S.D.C., Dist. of SC, Anderson/Greenwood Div.

Coker v. Louisville ladder, Inc., et al., Virginia

Civil Action No. 4:08cv-113 U.S.D.C., Eastern Dist. of VA, Newport News Div.

Knauff v. Dorel Juvenile Group, Inc., Texas

Civil Action No. SA08CA0336XR U.S.D.C., Western Dist. of TX, San Antonio Div.

Fischer v. Louisville Ladder, Inc., et al., New York

CV-07 5077

U.S.D.C., Eastern Dist. NY

Duffy v. Togher, et al.

02 L 5279

Circuit Court of Cook County, IL, Law Div.

Barowy v. Ridge Tool Company

C.A. No. 08-cv-10719-RWZ U.S.D.C., Dist. of MA

McKoin v. A-1 Roofing Company, et al.

05 L 7478

C.C. of Cook County, IL County Dept. - Law Div.

TRIAL

Allan v. Grove, US, LLC, et al., Texas

Civil Action No. G-07-159

U.S.D.C. for Southern Dist of TX, Galveston Div.

Walker v. Louisville Ladder, Inc., Tennessee

3:07-CV-377

U.S.D.C., Eastern Dist. of TN, Northern Div.

Marcais v. Louisville Ladder Group, LLC, New York

Index No. 93862

State of NY S.C., County of Fulton

Coker v. Louisville ladder, Inc., et al., Virginia

Civil Action No. 4:08cv-113

U.S.D.C., Eastern Dist. of VA, Newport News Div.

Roman vs. Louisville Ladder Group, LLC., et al.,

No. 04-11-09821-CV

In the District Court of Montgomery County, Texas 284thJudicial District

Suarez vs. Ridge Tool Co., et al.

Docket #: 08-CV-2685

U.S.D.C., Eastern Dist. of NY



DEPOSITION

2010 Dressler vs. Dorel Juvenile Group

2:08-cv-00734-RTH-CMH U.S.D.C., Western Dist. of LA, Lake Charles Div.

Alsip vs. Louisville Ladder

24-C-09-004010, in the Circuit Court for Baltimore City

Elbasani vs. Louisville Ladder Group, LLC

06-4803

U.S. Dist. Court for the Eastern Dist. of Pennsylvania

Flanigan vs. Louisville Ladder, Inc.

CV 2008-162

C.C. Houston County, AL

TRIAL

Barowy vs. Ridge Tool

Barowy v. Ridge Tool Company, Massachusetts C.A. No. 08-cv-10719-RWZ(U.S.D.C., Dist. of MA)

Santiago (Misol) vs. Core Distribution, et al.

Index No.: 105856-07

S.C. State of NY, County of NY



2011 DEPOSITION

Chairez (Maria)/Estate of Juan Chairez vs. NC Ribble

CV2005-03064

Second Judicial District Court, County of Bernalillo, State of New Mexico

Elliott (Scott & Melinda) vs. Power Equipment Leasing Co., et al

07 L 010561

State of Illinois, County of Cook, In the Circuit Court of Cook County, Illinois, County Department, Law Division

Scott (Kathleen) vs. Marson (John & Chandra), et al.

06 L 12406

State of Illinois, County of Cook, In the Circuit Court of Cook County, Illinois County Department, Law Division

Testone (Anna) vs. Mission Bay Multisport Inc. et al.

08 L 413

In the Circuit Court of the Sixteenth Judicial Circuit Kane County, Illinois

Lenzen (John) vs. Garon Products, Inc., et al.

09-CV-02893

In the United States District Court for the District of Minnesota

Thedy (Scott) vs. Hitachi Koki Co., Ltd.et al.

2007-CV-134887

In the Superior Court of Fulton County State of Georgia

Silnicki (Harry & Debra) vs. KLI, Inc. et al.

07-16409(26)

In the Circuit Court of the 17th Judicial Circuit in and for Broward County, Florida

Detten (William) vs. City of Chicago, et al.

08 L 4985

In the Circuit Court of Cook County, IL.
County Department, Law Division, State of Illinois

Jacquelyn Grant as Administratrix of the Estate of Michael White vs. ABP Induction, Inc., et al.

09 01417-RSV

In the Circuit Court of Jefferson County, Alabama

TRIAL

Ricucci (Anthony) vs. Malverty (Leroy T. & Lucy) et al.

MID-L-9166-08

Superior Court of New Jersey, Law Division: Middlesex County

Kinsey (John) vs. Louisville Ladder, et al.

100303533

Court of Common Pleas, Philadelphia County, PA. Civil Action-Law



2012 <u>DEPOSITION</u>

Silnicki (Harry & Debra) vs. KLI, Inc. et al.

07-16409(26)

In the Circuit Court of the 17th Judicial Circuit in and for Broward County, Florida

Jacquelyn Grant as Administratrix of the Estate of Michael White vs. ABP Induction, Inc., et al.

09 01417-RSV

In the Circuit Court of Jefferson County, Alabama

Dokter (Tim) vs. Werner Company, et al.

10-CV-2332

United States District Court, Eastern District of N.Y.

TRIAL

Dobbs (Alexander) vs. Morbark Inc.

09-CV-01403-MSK-MEH

In the United States District Court for the District of Colorado

Martin Oliver vs. Hitachi KOKI U.S.A., Ltd.

Superior Court of the State of California, County of San Bernardino, Central Division – CIVSS 710812

